

*Carolina
Country*
February 1978[®]



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Mandatory Retirement

it forces many into an early "golden age"

Mandatory retirement.

For some, these words might inspire visions of a boring, meaningless existence outside the mainstream of the work-a-day world. For others, they may conjure up joyous images of freedom to travel and enjoy other creative and enriching pursuits which the obligations of work have never permitted.

Most of us have seen both views personified:

- The friend who approaches mandatory retirement with dread and resentment, feeling he can continue to make a contribution in his work and find satisfaction in doing so.
- The co-worker who looks forward to that milestone with eagerness and accepts it as the beginning of an important new phase in a lifetime of growth.
- The loved one whose plans for retirement are so appealing that he or she elects to retire at age 62—or

earlier—just to get on with these plans.

Those who look forward to retirement have no quarrel with a mandatory retirement age—except, perhaps, to say it's too high at 65.

Editorials

But the man or woman who sees retirement as the end of usefulness and a time of merely waiting for death should have the alternative of continuing to work as long as he or she can meet minimum performance standards.

In view of today's longer lifespans, reaching age 65 is by no means an indication that the "Golden Age" has arrived. That milestone cannot be marked, arbitrarily, in advance. For some, that period may begin many years earlier and for others, it may begin many active years beyond the 65th birthday.

This proposition was under-

scored a few months ago when we sadly watched CBS Correspondent Eric Severied accept mandatory retirement with grace but no eagerness. It was obvious from Severied's comments to the media that he wasn't happy about leaving his role as Walter Cronkite's intellectual alter-ego. And many Americans were decidedly unhappy to see him go.

Severied was more fortunate than many in his position, for he can continue to make a contribution by shifting to the forum of print, but many thousands of TV viewers will no longer have the benefit of his clear-headed perspective on issues and events. And that's a shame, for him and for them.

We hope the shame of his situation—and others like it that occur yearly across the nation—will make an impression on the country's lawmakers.

Congress is already considering legislation raising the mandatory retirement age for federal employees from 65 to 70. And, in 14 states (excluding North Carolina), mandatory retirement on the grounds of age has been outlawed.

If other states follow suit, or if Congress should take similar steps, the choice regarding retirement age will be in the hands of the individual and his employer—where it belongs.



The Passing Scene

• A newsletter came across our desk recently with this intriguing piece of information: "White House Staff Secretary Richard G. Hutcheson III, age 26, earns \$42,500 per year for supervising 'paper flow.' Capt. Joseph S. Barth, Jr., USN, earns \$33,024 for commanding the U.S. Forrestal, one of the largest and most expensive combat vessels in the world, with a 3,000 man crew."

'Nuff said.

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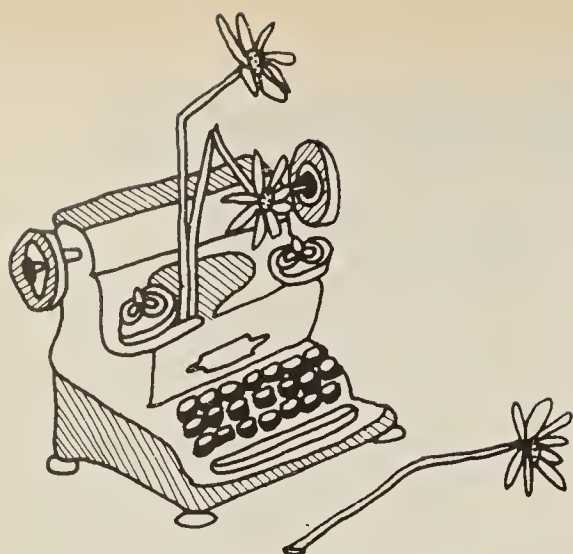
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In This Issue . . .

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COVER—This photo by E. A. Andrews, Jr. of Montreat captured a brief glimpse of the fading sunset following a heavy rain storm near the entrance of Mt. Mitchell State Park, about four miles from the summit. It is one of the photos featured in the 1978 *Mountain Meditations Calendar* published by Andrews and Dr. John R. Crawford of Montreat Anderson College. Our thanks to them for allowing us to use the color negatives of the photo. For information about how to order copies of the calendar, see ad on Page 23.



rural electric Notebook

SUPREME COURT TO RULE

The U.S. Supreme Court has agreed to review a ruling by a North Carolina Federal district judge that the Price-Anderson Act is unconstitutional. Judge James B. McMillan of the U.S. District Court for the Western District of North Carolina ruled last April that the act's liability ceiling could deprive victims of a catastrophic nuclear accident of the due process of law. The Supreme Court is expected to hear oral arguments on the constitutional issues involved in the spring and hand down a decision before it recesses for the summer.

"NEWS" FOR CO-OPS

The Wisconsin REC News recently called attention to an interesting news item which appeared in a national rural electric newsletter. It noted that Nov. 8 would be election day in New York and, as a result, New York City banks would be closed. The item's significance stems from the fact that it appeared in such a publication at all -- not that the banks were taking a holiday.

"The reason co-ops needed to know about the bank closing," the Wisconsin newspaper said, "was because many of them have loans from the Cooperative Finance Corporation (CFC), a cooperatively-owned lending institution which supplements funds available from the Rural Electrification Administration.

"CFC has accounts in two New York banks (Manufacturers Hanover and

Bankers Trust Company) to which co-ops can wire loan payments. Payments are made by wire to eliminate delay and loss of interest. Co-ops with payments due on Nov. 8 were asked to wire their money to the First National Bank of Chicago.

"This is not something new. Co-ops have been wiring loan payments to New York banks for several years. It's just that the election day coincidence required notification, and became the top item in the CFC newsletter. It was. . . a dramatic reminder that the rural electrification program is changing."

TAR HEELS CUT ENERGY USE

Nine out of 10 North Carolinians are trying to save energy, according to a statewide telephone survey conducted by the UNC-CH School of Journalism. More than two-thirds of the 477 adults interviewed in the survey said they were using less energy for heating and cooling. Only 9 percent said they had taken no conservation steps.

COLD POWER

Energy conservation experts have come up with an intriguing comparison to demonstrate the importance of hot water as a major energy-user in the home: If every American washed clothes in warm or cold water, they say, national fuel savings would amount to the equivalent of about 100,000 barrels of oil a day. That's 2.5 percent of the total demand for residential heating, or enough to heat 1.6 million homes in winter.



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Age _____ Age _____ Ages _____

Conservationists Honored

Family, Eight Individuals Cited By Districts' Association

A Hertford County farm family that uses conservation practices in growing peanuts and other crops has been named **Conservation Farm Family of the Year** for 1977 by the North Carolina Association of Soil and Water Conservation Districts.

The Jackie Brinkley family of Rt. 1, Aulander received the award at the association's annual meeting in Wilmington Jan. 9-11. The honor was shared with Herbert Jenkins, Jr., Brinkley's father-in-law and a partner in the farming operation.

Runner-up for the award was the Nathan P. Ramsey family of Fairview in Buncombe County.

Other awards presented at the meeting were:

Distinguished Service Award — Quentin W. Patterson of Hillsborough, a retired Soil Conservation Service district conservationist who remains active in environmental education in retirement.

President's Award — William G. Sullivan of Duplin County, in recognition of his "unselfish service to the association." A former president of the group, he was active in seeking state funds from the legislature for a statewide soil survey.

Outstanding SCS Employee — Paul Britt of Montgomery County, soil conservation technician, who was honored for his work promoting minimum tillage and conservation planning.

Outstanding District Secretary — Glenda M. Jones of Gaston County, for her efforts in environmental education which contributed toward the Gaston Soil and Water Conservation District's winning a national title.

Watershed Project of the Year — Bryant Swamp Watershed Project, which now protects Bladenboro and adjacent farmland from flooding even though it is only 80 percent complete.

Watershed Man of the Year — Joe H. Jenkins of Hertford County, president of the Ahoskie Creek Drainage Commission, who has encouraged a maintenance program on the Ahoskie Creek Watershed Project serving parts of Hertford, Bertie and Northampton Counties.

Carolina Conservationist Award — Jerry Garrell, maintenance supervisor with Western Piedmont Community College in Morganton, for making the 146-acre campus a model of beauty and conservation. Also, John Wells of Nash County, for his work with young people — particularly Future Farmers of America — in land judging, outdoor classrooms, recreation and ecology.

Environmental Education Award — Gaston Soil and Water Conservation District and Fred Bailey, a Montgomery County teacher. The awards are presented by the NACD and Allis-Chambers Corp.

the National Commission on Working Women.

Edwin L. (Ed) Yancey, Pitt County Extension chairman, has been promoted to district chairman with the N.C. Agricultural Extension Service. The Mebane native takes charge of all extension programs in the 11-county South Central District, succeeding **Dick Smith**, who was transferred to the Southwestern District. Yancey served for 11 years as an extension agent in Johnston County before taking the Pitt County chairman's post in 1969.

Arthur K. Pitzer, general manager of the North Carolina State Fair, has been named to the Hall of Fame of the International Association of Fairs and Expositions. Induction into the Hall of Fame is the association's highest honor.

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Marvin McClam, president and general manager of FCX, Inc., has been honored by the Federal Land Bank and Intermediate Credit Banks for his "outstanding and significant contributions to agricultural progress."

The award was presented to McClam at the FCX annual meeting by Robert Darr, president of the banks.

Elizabeth D. Koontz, assistant state superintendent of the N.C. Department of Public Instruction, has been named chairwoman of



Special Announcement

to all North Carolina Rural Electric consumer members and their families

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Vice President Mondale, in a speech last June, said that hospital bills "are the single largest cause of personal bankruptcy in the United States."

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hospitalization plan that would do the best job possible for all RE consumer members and their families. And finally, NRECA set up their own service center for ELCO® Programs to help assure RE consumer members prompt, courteous service and prompt claim payment. This new ELCO® Hospitalization Supplement, underwritten by the highly-respected Continental American Life Insurance Company, is the result.

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Some insurance ads try to give you the impression they are sponsored by your National Rural Electric Cooperative Association. Only those programs that bear the ELCO® trademark are officially endorsed by your National Association. This trademark is your guarantee of service and quality.

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This group plan is available in most states and is open to all RE consumer members and their families. Every member who enrolls during this open enrollment will be accepted regardless of age or occupation. However, Continental American must limit coverage in force under all policies of this type with their company to one per member.

Your own RE Consumer Service Center

Your National Association's Service Center for ELCO® Programs will provide RE consumers with the best possible service.

Questions about your protection, benefits available, and changes to your plan will be handled by the ELCO Service Center. The special RE consumer telephone number is (919) 832-7597 . . . call COLLECT any weekday and ask for Bill Plunket. He'll be glad to help you.

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To get your free Group Hospitalization Planning Kit, just fill out the coupon on this page and drop it in the mail. The Kit will be mailed to you and will fully explain what is covered, what is not covered, costs and terms of renewability. There is no obligation and no one will call on you. So please act now.



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IMPORTANT: No one can be accepted after this Enrollment Period closes. Mail coupon today to allow time to review Plan. This Group Enrollment Period closes Friday night, March 31, 1978.

Birds: They're Worth Watching



By Ruth Moose

If you're looking for an inexpensive hobby combining quiet walks in the woods with the pleasures of observing nature, why not try bird-watching?

The pursuit already claims about 25,000 devotees in the United States and their numbers are growing yearly. In fact, membership in the National Audubon Society has more than tripled since 1970.

And they're in good company, considering some of the familiar names that might be included in a bird-watcher's who's who: Thomas Jefferson and Emily Dickinson would be among them. Jefferson could identify more than 100 species, cultivated colonies of purple martins at Monticello and kept a pet mockingbird on the White House grounds. The poet's love of birds is often reflected in her poetry. Today, Prince Philip is a noted bird photographer.

Bird watching is a hobby that almost anyone at any age can enjoy. The only real equipment you need is a good pair of binoculars, powered about 7 x 35 with coated lens and a center focus. Cost: about \$30.

You also need a good bird book. The most popular is Roger Tory Peterson's *Field Guide To Birds* (\$4.95) which comes coded to a set of records, *Field Guide To Bird Songs* (\$19.95) with the calls of more than 300 species. Many libraries loan both the book and records. Other books I like are *Birds Of The South* by Charlotte Hilton Green of Raleigh (\$3.50 Dover paperback) and *The Birdwatcher's Bible* (\$2.95). Golden Press also puts out a good one for 79 cents.

Bird books, like bird watching, are something you can spend a little on and gain a lot.

Birding is a game of recognition. The main requirement is that you learn to carefully observe. Not merely look, but actually see; colors, patterns, tiny markings, mannerisms, movements.

You can watch birds from a kitchen window, the car, while walking, gardening, boating, fishing, or while on the job. Birds are found almost anywhere. Driving along interstate highways, I often see hawks perched in the tops of pines like finials on a flag pole. Part of the fun is finding or seeing the unusual, the unexpected.

Birding can be learned most easily and quickly on a one-to-one basis. A couple of hours with an experienced birder in the field can teach you more than weeks working alone with book and binoculars. But, you need both.

You learn to identify birds by size, shape, silhouette and sound. You also learn which birds are likely to be found where: on the ground, in pines, thickets, open fields or near water.

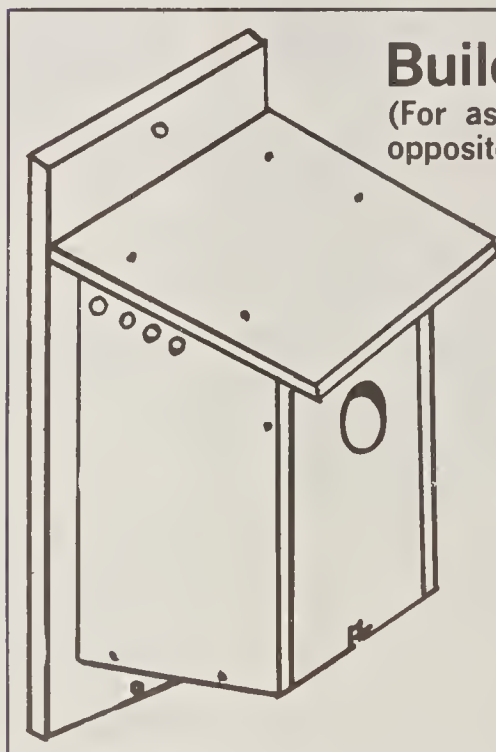
Learning bird sounds is a way of quick identification and guide to where to look. When you hear a bird, find him first with your eye, then train binoculars for study.

Early mornings or just before sunset are the best time to bird.

North Carolina's Outer Banks offer some excellent places to bird, as well as some inland low lands. Wing Haven, the four-acre bird sanctuary on Ridgewood Avenue in Charlotte is a good place to see and identify birds. It's the home of Mr. and Mrs. Edwin Clarkson.

Many areas have chapters of the National Audubon Society and conduct bird counts each year. Lists of birds sighted and recorded tell ecologists which species are increasing, decreasing or in danger, and indicate areas in which people have set up bluebird trails or colonies of purple martins.

Ruth Moose of Rt. 2, Albemarle is a free-lance writer who has been an avid bird-watcher for many years.



Build A Bluebird House

(For assembly instructions see story on opposite page)

SPECIFICATIONS (using $\frac{3}{4}$ -inch lumber)

Floor — 5" x 5"

Sides — 5 $\frac{3}{4}$ " x 8 $\frac{1}{2}$ "—10"

Front — 5" x 8 $\frac{1}{4}$ " (cut notch in bottom for "L" screw)

Back — 8" x 14" (for mounting on side of post—length may be altered if necessary)

Top — 8" x 8" (bevel top to fit flush with back)

Entrance Hole — 1 $\frac{1}{2}$ " (cut 1 $\frac{1}{4}$ " from the top — this should be done after assembling, if the box is painted, to prevent paint from being in the hole.)

If you haven't seen a bluebird recently, don't feel like the Lone Ranger. The fact is that if you're under 30 years old, chances are you've probably never seen a bluebird. Yet 50 years ago, they were among the most common songbirds in America.

Competition from house sparrows (also called English sparrows) and starlings — birds that were brought to America from Europe in the 19th century — has reduced the numbers of nesting spaces for bluebirds. Estimates are that the Eastern bluebird population may have plummeted as much as 90 percent.

Unlike some birds that are pests to farmers, bluebirds almost never damage cultivated fields. In fact, they help reduce the number of insects that prey on crops. In spring, bluebirds seem to have a particular fondness for cutworms, and in summer and autumn, grasshoppers are favorites. Wild berries are the staple in winter.

In addition to having brought in alien birds to compete with bluebirds, man has also hurt the bluebird population by encroaching on land that bluebirds need for food and nesting. But there is a national movement underway to reverse this trend.

The Eastern Bluebird



Bird lovers are building nesting boxes designed specifically for bluebirds.

Homes for Bluebirds, Inc., a non-profit corporation headquartered in Bailey, offers plans and suggestions for building and maintaining bluebird houses:

Bluebirds will accept almost any type of bird house they can enter. However, to make the house starling proof, the opening should be too small for them to enter. And by making a house deep enough,

Seen Any Bluebirds Lately?

starlings will not be able to reach a bluebird nest, destroying eggs and killing the young. Also, bluebirds do not need perches on bird houses, while house sparrows prefer them. Thus, omitting the perches discourages house sparrows from using houses designed for bluebirds.

Bluebird boxes should be placed in reasonably open areas since the birds will not nest in the woods and rarely in deep shade.

The most desirable areas are scattered with trees and a considerable distance from buildings. Pastures, fields, open waste lands, large lawns, cemeteries and golf courses are usually satisfactory locations.

The house should face an open area with a tree, large shrub or fence from 25 to 50 feet in front of the house. The young then have a good chance of reaching a perch on their first flight and thus have a better chance of surviving the first critical hours out of the nest. If more than one house is built, place them at least 500 feet apart. A series of houses called "Bluebird Trails" can be laid out on farms, or near country roads. Trails should be placed so that the common two-legged predator (man) cannot easily find the bluebird houses. Place them several hundred feet from roads or in areas not seen from highways.

Almost any kind of wood will do for bluebird houses, although pine lumber ($\frac{1}{2}$ or $\frac{3}{4}$ inch) and exterior grade plywood are both excellent. Wood from old crates or boxes and scrap lumber from lumber yards can often be obtained at little or no cost.

Redwood, although relatively expensive, does not require painting. It is not necessary to paint other woods, but painting will improve the appearance and add years to the life of houses. If houses are painted, a light green, tan or gray should be used.

Copper naphthanate is inexpensive, colors well and preserves the wood. Do not use chemical wood preservatives that contain pentachlorophenol.

(Continued on Page 10)

Bluebirds

(Continued from Page 9)

"The Grovemont Special" (see specifications on page 8) is a house that is easy to build. It should last from 10 to 15 years with a minimum of maintenance.

The front is hinged at the top by two coated nails, allowing the front to swing up from the bottom for cleaning out abandoned nests. It is held in place by an "L" screw at the bottom. The inside of the front board should be roughened for three inches below the entrance hole to provide footing for young birds when they leave the nest.

After the parts of the house have been cut to size, bore a 1½-inch entrance hole 1¼ inches from the top—unless you plan to paint the box. To prevent paint from being in the hole first assemble the box, then paint it, and finally cut the entrance hole.

To assemble the house, nail the two sides to the front with two

galvanized nails 1½ inches long—one nail through each side near the top. Then insert and recess the bottom section ¼ of an inch and nail it in place leaving the front to swing free. Now nail the back and then the roof into position. Drill ¼-inch drainage holes in the floor and several ¼-inch holes in the sides near the top for adequate ventilation.

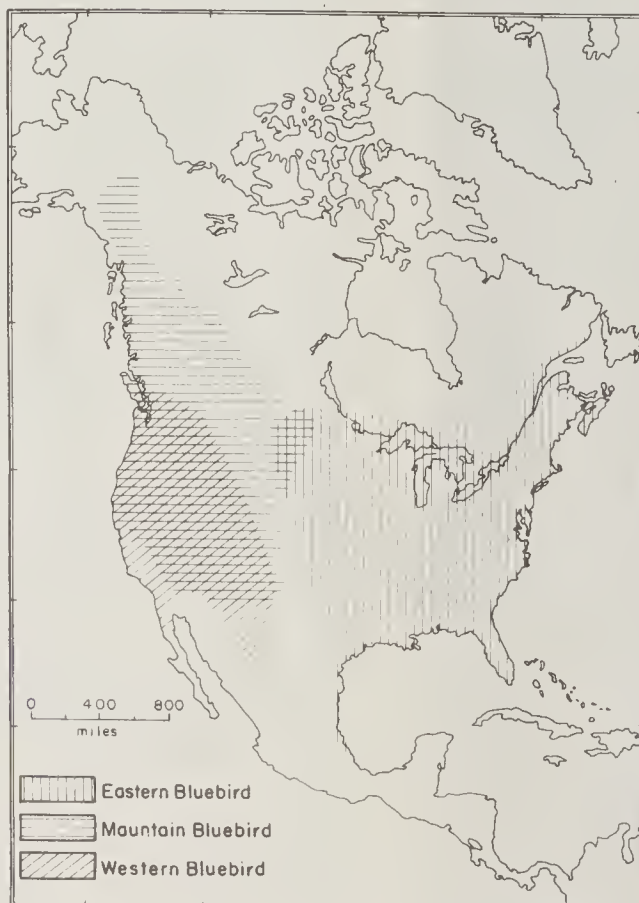
Mount the box four to six feet from the ground on a metal pipe, wooden post, or other suitable pole. If a wooden post is used, an 18-inch metal collar or conical guard may be necessary to discourage raccoons and other predators. Coat metal and wooden posts with soft grease.

Because bluebirds are found only in North America, it's appropriate that they have been symbols of love and happiness in American poetry and prose, and harbingers of spring and renewed hope.

Now there's good reason to hope that bluebirds may again become among the most common songbirds in America.

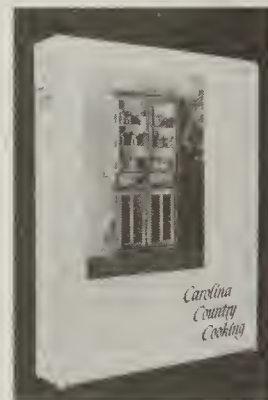
The color photo on page 9 is by Mike Godfrey of Chapel Hill. It originally appeared in Godfrey's book *Winter Birds Of The Carolinas And Nearby States*, published by John F. Blair of Winston-Salem. Color separations, courtesy of Wildlife In North Carolina.

The map at right and the drawing of the bluebird on page 8 are from *The Bluebird—How You Can Help Its Fight For Survival*, by Lawrence Zeleny, ©1976 by Indiana University Press. Reprinted by permission of the publisher.



Approximate Bluebird Breeding Ranges

Carolina Country Cooking



Tar Heel Cooks Applaud New Recipe Collection

Carolina Country Cooking came off the presses only a few months ago to strike a responsive chord with good cooks across North Carolina. Many who ordered copies as Christmas gifts turned right around and wrote us for copies of their own! One lady ordered a second copy after a friend insisted on buying her first! Another called it "a beautiful piece of work."

But, it was the comment of one man who received the book as a gift that might have summed up the most common reaction to *Carolina Country Cooking*: "It just set my mouth to watering!"

The 150-page cookbook, with 10 thumb-indexed sections, includes recipes submitted by readers of *Carolina Country*. It's bound in a sturdy, plastic notebook binder featuring a full color cover reproduction of "Ella's Cupboard," an original painting by Lexington artist Bob Timberlake.

Order Yours Today!

Please send me _____ copies of *Carolina Country Cooking* at \$5.95 each (handling and tax included). Enclosed is my check or money order for \$ _____. Make all checks or money order payable to *Carolina Country Cooking* and send, **with this order form**, to CAROLINA COUNTRY COOKING, P.O. BOX 27306, Raleigh, N.C. 27611.

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I OWN A LOT? YES ☐ NO ☐ LOCATED IN..... (COUNTY)

CC-2/78



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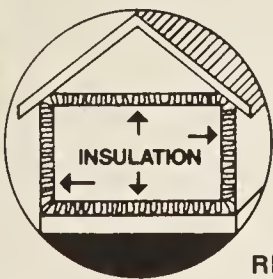


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FLOWERING SHRUBS

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Crape Myrtle Red, Pur., Pk. or Wh., 1-2 ft.	\$ 95 ea
Weigela Red, Yel., Varg. or Pk., 1-2 ft.	49 ea
Althea Red, Pur., Pk. or Wh., 1-2 ft.	49 ea
Forsythia Yellow, 1 to 2 ft.	49 ea
Pink Spirea, 1 to 2 ft.	49 ea
Spirea Van Houttei White, 1 to 2 ft.	69 ea
Spirea Bridal Wreath, White, 1 to 2 ft.	95 ea
Spirea Anthony Waterer Red, 1 to 1 ft.	65 ea
Quince Red Flowering, 1 to 2 ft.	89 ea
Pink Flowering Almond, 1 to 2 ft.	95 ea
Hydrangea P. G., Pinkish-White, 1-2 ft.	49 ea
"Hills of Snow", 1-2 ft.	69 ea
Hydrangea Blue, 1 to 2 ft.	95 ea
Tamarix Pink, 1 to 2 ft.	65 ea
Vitex Purple, 1 to 2 ft.	49 ea
Mackerrange White, 1 to 2 ft.	45 ea
Rose of Sharon Mixed Colors, 1-2 ft.	45 ea
Persian Lilac Purple, 1 to 2 ft.	95 ea
Old Fashion Lilac, 1 to 2 ft.	95 ea
French Lilac Red, White, or Purple, 1-2 ft.	98 ea
Oleuthia Pink or White, 1 to 2 ft.	49 ea
Bush Honeyuckle Red, Pk. or Gr., 1-2 ft.	49 ea
Sweet Shrub, 1 to 2 ft.	45 ea
Red Ozer Dogwood, 1 to 2 ft.	49 ea
Fussy Willow, 1-2 ft.	75 ea
4-6 ft.	149 ea
Russian Olive, 1-2 ft.	95 ea
2-3 ft.	149 ea
Red Barberry, 1 to 2 ft.	98 ea
Green Barberry, 1 to 2 ft.	69 ea
Jap. Snowball, 1 to 2 ft.	75 ea
Snowberry Red or White, 1 to 2 ft.	69 ea
Scotch Broom, 1 to 2 ft.	49 ea
"Hypericum Yellow, 1 to 2 ft.	49 ea
Spice Bush Yellow, 1 to 2 ft.	49 ea
Butterfly Bush Purple or Pink, 1-2 ft.	98 ea
Azalea Wh., Pur., Red, or Pk. 1-1 ft.	69 ea
"Chokeberry Red or Black, 1-2 ft.	39 ea
Winter Honeysuckle, 1 to 2 ft.	49 ea
Witch Hazel, 1 to 2 ft.	89 ea
"American Elder, 1 to 2 ft.	49 ea
False Indigo Purple, 1 to 2 ft.	69 ea
Burning Bush, 1 to 2 ft.	69 ea

FLOWERING TREES

1 or 2 Years Old

Magnolia Grandiflora, 1-1 ft.	\$ 98 ea
Mimosa, 3-4 ft.	98 ea
4-6 ft.	198 ea
American Redbud, 2-3 ft.	65 ea
4-6 ft.	198 ea
White Flo Dogwood, 2-3 ft.	65 ea
4-6 ft.	198 ea
Pink Flo Dogwood, 2-3 ft.	295 ea
3-4 ft.	495 ea
Golden Rain Tree, 1-2 ft.	98 ea
3-4 ft.	295 ea
Golden Chain Tree, 1 to 2 ft.	98 ea
Smoke Tree, 1 to 2 ft.	198 ea
Purple Leaf Plum, 2-3 ft.	195 ea
4-6 ft.	298 ea
Flowering Peach Red, Pink, or White, 2-1/2 ft.	198 ea
Obl. Pink Flo Cherry, 3-5 ft.	495 ea
Flowering Crab Red or Pink, 2-3 ft.	195 ea
4-6 ft.	398 ea
"Tree of Heaven, 3-5 ft.	198 ea
Dwarf Red Buckeye, 1-1 ft.	89 ea
Magnolia Soulangiana, 1-2 ft.	198 ea
"White Fringe, 2-3 ft.	195 ea
Japanese Flo Cherry 3-5 ft.	495 ea
European Mt. Ash, 3-4 ft.	298 ea
"Big Leaf Cucumber, 3-4 ft.	298 ea
Pow Pow, 3-5 ft.	198 ea
"Saurwood, 2-3 ft.	98 ea
Yellow Buckeye, 1-2 ft.	98 ea
Dawny Hawthorn, 1-1 ft.	198 ea
Owarf White Buckeye 1-1 ft.	98 ea
Red Flo Dogwood, 2 ft.	295 ea
3-4 ft.	495 ea
5-1/1 Flo Crab, 3-4 ft.	798 ea
Red Leaf Peach, 2-3 ft.	198 ea

SHADE & ORNAMENTAL TREES

1 or 2 Years Old

Silver Maple, 3-4 ft.	\$ 95 ea
4-6 ft.	195 ea
Chinese Elm, 3-4 ft.	95 ea
4-6 ft.	149 ea
Green Weeping Willow, 2-3 ft.	89 ea
4-6 ft.	198 ea
Catalpa Tree, 2-3 ft.	65 ea
Ginkgo Tree, 3-5 ft.	298 ea
Pin Oak or Red Oak, 2-3 ft.	149 ea
3-5 ft.	298 ea

Willow Oak or Scarlet Oak 3-5 ft.	298 ea
Lambardy Poplar, 2-3 ft.	29 ea
4-6 ft.	75 ea
Foosien Red Leaf Maple 3-5 ft.	795 ea
Sycamore, 3-4 ft.	95 ea
4-6 ft.	195 ea
"Sugar Maple, 2-3 ft.	69 ea
4-6 ft.	98 ea
Sweet Gum, 3-4 ft.	149 ea
4-6 ft.	349 ea
White Birch, 3-4 ft.	98 ea
4-6 ft.	298 ea
"Tulip Tree, 3-4 ft.	169 ea
Crimson King Maple Pat. no 735, 3-4 ft.	698 ea
Sunburst Locust (Pat. No 1313), 4-6 ft.	695 ea
White Ash, 3-4 ft.	149 ea
Green Ash, 3-4 ft.	198 ea
Persimmon, 1-2 ft.	95 ea
Dawson Redwood 1-2 ft.	249 ea
Honey Locust, 3-4 ft.	198 ea
Kentucky Coffee Tree, 1-1 ft.	95 ea
"American Linden Tree, 3-4 ft.	198 ea
"Sassafras, 2-3 ft.	95 ea
"Scarlet Maple, 4-6 ft.	289 ea
Russian Mulberry, 2-3 ft.	98 ea
Sycamore Maple, Purple Leaves, 1-1 ft.	98 ea
"Black Gum, 2-3 ft.	79 ea
Japanese Red Leaf Maple, 1 ft.	249 ea
Norway Maple, 1-2 ft.	89 ea
Golden Weeping Willow, 2-3 ft.	89 ea
4-6 ft.	198 ea
Amur Corktree, 1-2 ft.	59 ea

ROSE BUSHES —

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BLOOMING SIZE BUSHES —

All Monthly

BLOOMERS IN THESE VARIETIES

\$1.98 Ea.

Red	Yellow	Pink
Happiness	Peace	Montezuma
Mirandy	Lowell	Thomas
Crimson	Golden Charm	The Oyster

FRUIT TREES

1 or 2 Years Old

PEACH TREES			
Elberta Peach, 2-1/2 ft.	\$198 ea, 4-6 ft.	5349 ea	
Belle of Ga Peach, 2-1/2 ft.	198 ea, 4-6 ft.	349 ea	
Dixie Red Peach, 2-1/2 ft.	198 ea, 4-6 ft.	349 ea	
J. H. Hale Peach, 2-1/2 ft.	198 ea, 4-6 ft.	349 ea	
Hale Haven Peach, 2-1/2 ft.	198 ea, 4-6 ft.	349 ea	
Gold Jubilee Peach, 2-1/2 ft.	198 ea, 4-6 ft.	349 ea	
Blake Peach, 2-1/2 ft.	198 ea, 4-6 ft.	349 ea	

APPLE TREES

Stayman Winesap Apple, 2-3 ft.	198 ea, 4-6 ft.	349 ea	
Red Delicious Apple, 2-3 ft.	198 ea, 4-6 ft.	349 ea	
Red Rome Beauty Apple, 2-3 ft.	198 ea, 4-6 ft.	349 ea	
Red Jonathan Apple, 2-3 ft.	198 ea, 4-6 ft.	349 ea	
Early Harvest Apple, 2-3 ft.	198 ea, 4-6 ft.	349 ea	
Yellow Delicious Apple, 2-3 ft.	198 ea, 4-6 ft.	349 ea	
Lodi Apple, 2-3 ft.	198 ea, 4-6 ft.	349 ea	
Grimes Golden Apple, 2-3 ft.	198 ea, 4-6 ft.	349 ea	
Yellow Trans Apple, 2-3 ft.	198 ea, 4-6 ft.	349 ea	
Early McIntosh Apple, 2-3 ft.	198 ea, 4-6 ft.	349 ea	
S.N.1 Apple, 2-3 ft.	689 ea		

CHERRY TREES

Montmorency Cherry, 2-3 ft.	289 ea, 4-5 ft.	489 ea
Black Tartarian Cherry, 2-3 ft.	289 ea, 4-5 ft.	489 ea
Early Richmond Cherry, 2-3 ft.	289 ea, 4-5 ft.	489 ea

PEAR TREES

Kieffer Pear, 2-3 ft.	279 ea, 3-5 ft.	379 ea
Orient Pear, 2-3 ft.	279 ea, 3-5 ft.	379 ea
Barlett Pear, 2-3 ft.	279 ea, 3-5 ft.	379 ea

APRICOT OR NECTARINE

Maopark Apricot, 2-3 ft.	198 ea, 4-6 ft.	298 ea
Early Golden Apricot, 2-3 ft.	198 ea, 4-6 ft.	298 ea
Nectarine, 2-1/2 ft.	198 ea	

PLUM TREES

Damson Plum, 2-1/2 ft.	198 ea	
Red June Plum, 2-1/2 ft.	198 ea	
Bruce Plum, 2-1/2 ft.	198 ea	
Methley Plum, 2-1/2 ft.	198 ea	
Burbank Plum, 2-1/2 ft.	198 ea	

DWARF FRUIT TREES

1 or 2 Year Old

Dwf. Elberta Peach, 2-3 ft.	\$298 ea, 4-5 ft.	\$495 ea
Dwf. Red Haven Peach, 2-3 ft.	298 ea, 4-5 ft.	495 ea
Dwf. Belle of Ga Peach, 2-3 ft.	298 ea, 4-5 ft.	495 ea
Dwf. Gold Jubilee Peach, 2-3 ft.	298 ea, 4-5 ft.	495 ea
Dwf. Red Del. Apple, 2-3 ft.	298 ea, 4-5 ft.	495 ea
Dwf. Yellow Del. Apple, 2-3 ft.	298 ea, 4-5 ft.	495 ea
Dwf. Winesap Apple, 2-3 ft.	298 ea, 4-5 ft.	495 ea
Dwf. E. McIntosh Apple, 2-3 ft.	298 ea, 4-5 ft.	495 ea
Dwf. Jonathan Apple, 2-3 ft.	298 ea, 4-5 ft.	495 ea
Dwf. Lodi Apple, 2-3 ft.	298 ea, 4-5 ft.	495 ea
Dwf. Montmorency Cherry, 2-3 ft.	349 ea	
Dwf. North Star Cherry, 2-3 ft.	349 ea	
Dwf. Barlett Pear, 2-3 ft.	349 ea	
Dwf. Kieffer Pear, 2-3 ft.	349 ea	
Dwf. Burbank Plum, 2-3 ft.	349 ea	

VINES —

1 or 2 Years Old

Red Scarlet Honeysuckle, 1 ft.		
Wisteria Purple, 1-1 ft.		
Bittersweet, 1 ft.		
"Clematis White-White, 1-1 ft.		
Grapes Luther Niagara Concord, Fredonia, Delaware, or Catawba, 1-1 ft.	\$ 90 ea	
Kudzu Vine, 1-1 ft.	69 ea	
Gold Flame Honeysuckle, 1 ft.	39 ea	
"Trumpet Creeper, 1-1 ft.	39 ea	
Yellow Jasmine, 1-1 ft.	90 ea	
"Vine Minor Clumps	12 ea	
Halls Honeysuckle, 1 ft.	39 ea	
English Ivy or Boston Ivy, 4-8 inch	39 ea	
Evonymus Coloratus, 1-1 ft.	39 ea	
Ajuga Brante-Ground Cover, 1 yr	24 ea	
Virginia Creeper, 1-1 ft.	39 ea	

NUT TREES

1 or 2 Years Old

Hazelnut, 1-2 ft.	\$ 98 ea, 3-5 ft.	\$298 ea
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BUTTERNUT

1-2 ft. 149 ea, 3-4 ft. 298 ea

Chinese Chestnut, 1-2 ft. 98 ea, 3-5 ft. 198 ea

Black Walnut, 1-2 ft. 49 ea, 3-5 ft. 149 ea

Hardy Pecan Seedlings 1-2 ft. 98 ea

Stuart Pecan-Papershell, 2-3 ft. 495 ea

Mahon Pecan-Papershell, 2-3 ft. 495 ea

English Walnut, 2-3 ft. 145 ea

Shell Bark Hickory, 1-2 ft. 98 ea

"American Beech, 3-4 ft. 198 ea

Japanese Walnut, 3-4 ft. 198 ea

EVERGREENS —

1 or 2 Years Old

Glossy Abelia 1-1 ft. \$ 49 ea

"American Holly 1-1 ft. 39 ea

"Rhododendron, 1-1 ft. 65 ea

BERRIES, FRUITS & HEDGE

1 or 2 Years Old

Black Raspberry, 1-1 ft.	\$ 59 ea
Red Everbearing Raspberry, 1-1 ft.	59 ea
Dewberry, 1-1 ft.	69 ea
Figs, 1-2 ft.	198 ea
Bayberry, 1-1 ft.	79 ea
Blackberry, 1-1 ft.	39 ea
Gooseberry, 2 yrs., 1-1 ft.	98 ea
10 Rhubarb, 1 yr roots	198
10 Asparagus, 1 yr roots	129
25 Strawberry-Tenn Beauty or Blakemore	249
25 Gem Everbearing Strawberry	249
Red Scarlet Honeysuckle, 1 ft.	\$.79 ea.
Wisteria Purple, 1-1 ft.	.79 ea.
Bittersweet, 1 ft.	.49 ea.
Clematis	.49 ea.

BULBS AND PERENNIALS

1 or 2 year old

3 Pampas Grass	149
10 Hibiscus, Mallow Marvel	199
10 Hollyhocks	229
12 Blue Iris	198
10 Day Lilies, roots, Orange Flowers	229
6 Fancy Leaf Caladiums, Red or White	229

2 Peonies Red, Pink or White	298
10 Cannas Red, Pink, or Yellow	298
50 Gladiolus, Mixed Colors	398
10 Candytuft, Mixed White	259
10 Baby Breath White	249
10 Shasta Daisy, Alaska	229
10 Lupines Dragon Blood	298
10 Fall Asters Red, Pink, White or Lav	269
6 Yucca Candle of Heaven	169

NATIVE WILD FLOWERS

1 or 2 years old

5" Lady Slipper, Collected	149
6" Dutchman Breeches, Collected	149
4" Jack-in-the-Pulpit, Collected	139
10" Hardy Garden Violets, Blue Collected	149
3" Partridge Berry, Collected	149
3" Passion Flower, Collected	149
6" Bird Foot Violets, Collected	139
6" Trilliums, White turns Pink Collected	145
6" Blue Bells Collected	149
6" Cardinal Flower Red Collected	145
8" Hayscented Fern, Collected	145
10" Christmas Fern, Collected	145
4" Cinnamon Fern, Collected	145
3" Royal Fern, Collected	145

FLOWERING SHRUBS

6-10 Inch

10 Witch Hazel, 6-10 inch	395
10 Weigela Red, 6-10 inch	198
10 Red Bush Honeysuckle, 6-10 inch	198
10 Pink Spirea, 6-10 inch	179
10 Sweet Shrub, 6-10 inch	149
10 Red Flowering Quince, 6-10 inch	198
10 Pussy Willow, 6-10 inch	198
10 Oleuthia, 6-10 inch	149
10 Jap. Snowball, 6-10 inch	298
10 Hypericum Yellow, 6-10 inch	149
10 Rose of Sharon, 6-10 inch	149
10 Red Ozer Dogwood, 6-10 inch	149
10 Forsythia Yellow, 6-10 inch	149
10 Weigela Pink, 6-10 inch	149
10 Hydrangea P. G., 6-10 inch	198
10 Spirea Van Houttei, 6-10 inch	149
10 Hydrangea Arborescens, 6-10 inch	149
10 Althea Red, 6-10 inch	149
10 Mackerrange, 6-10 inch	149

NUT TREES

6-10 Inch

10 Hazel Nut, 6-10 inch	495
10 Hardy Pecan Seedling, 6-10 inch	495
10 Black Walnut, 6-10 inch	295
10 Chinese Chestnuts, 6-10 inch	495

FLOWERING TREES

6-10 Inch

10 Tulip Tree, 6-10 inch	119
10 European Mt. Ash, 6-10 inch	495
10 White Flower Dogwood, 6-10 inch	159
10 American Red Bud, 6-10 inch	139
10 Mimosa Pink, 6-10 inch	119
10 Black Locust, 6-10 inch	139
10 Golden Rain Tree, 6-10 inch	495

SHADE TREES

6-10 Inch

To EMC Members, Employees

CFC Bonds Now Being Sold

The National Rural Utilities Cooperative Finance Corporation (CFC) has made available for sale to rural electric co-op members a \$25 million issue of "collateral trust bonds" to be sold in denominations of \$1,000.

The bonds carry two-, three-, four- and five-year maturity dates, with interest rates ranging from 7½ percent for two-year bonds to 8½ percent for five-year bonds.

CFC is a non-profit cooperative made up of 888 consumer-owned rural electric utility systems across the country. The organization makes loans to its members to build and operate their systems as a supplement to REA loans.

The bonds, which were initially issued on Sept. 16, 1977, are issued semi-monthly on the first and 16th day of each month. They may be purchased only by present and former employees, directors and consumer-members of CFC member cooperatives.

For additional information and a written Prospectus on the bonds, write or call your EMC office.

This notice shall not constitute an offer to sell or the solicitation of an offer to sell or the solicitation of an offer to buy nor shall there be any sale of these securities in any state in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state.

CHAIN SAW PARTS

Super Savings

First quality! Guaranteed!



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(1) Get a Sprocket FREE

Send this ad with order for a loop chain and matching sprocket. The prices shown in #1 below are our regular low prices for the chain alone!

For saws with cutting length of	1 Loop Chain Free Sprocket	YOU SAVE
MINI SAWS:		
10"-12"	\$11.25	(\$5.00)
13"-14"	\$12.25	(\$5.00)
STANDARD SAWS:		
14"-16"	\$13.25	(\$5.00)
17"-20"	\$15.50	(\$5.00)
21"-24"	\$17.75	(\$5.00)
25"-28"	\$19.75	(\$5.00)

(2) Get a Loop Chain FREE

Send this ad with order for a guidebar, sprocket, and two loop chains. The prices in #2 below are our regular low prices for the 3-piece set alone. You get the 2nd chain free!

2 Bar, Sprocket & 2 Chains	SAVE TO
\$23.25	(\$11.25)
\$27.00	(\$12.25)
\$40.00	(\$14.50)
\$46.25	(\$16.75)
\$52.25	(\$19.25)
\$57.25	(\$21.25)

When you order —

Add \$1.35 to total order for shipping. Enclose this ad. Tell us saw make and model, chain pitch or number of drive links, and bar cutting length. Send check, money order or \$2 COD deposit. To charge to Visa BankAmericard or Master Charge, give expiration date and numbers on your card

MINI-SAWS: Bars in #2 are laminated hardtrack style. All chain is ¼" pitch chipper chain. (For limited saw use, our ⅜" pitch mini-chain is even more economical. See catalog)

STANDARD SIZE: Chain is chipper style, in 3/8", 404", 7/16" or 1/2" pitch. Bars are your choice of hardnose or sprockethnose as available. We have sprockethnose bars for most popular models.

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STRAIGHT WALL, clear-span, double sliding doors, for use in agriculture or commercial applications.



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Agriculture. Commercial. Large, clear-span building. 4 on 12 roof pitch. Overhead doors available.

Other farm or commercial buildings are available. Any length. Any height. Low profile, peak or open front. Straight or slant wall. Complete component package, full instructions, easy to erect. Prices FOB plants in Georgia or Missouri. For complete information and price guarantees on these and other buildings . . .

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My husband is a building contractor, and his work requires us to move frequently. Since I am in a wheelchair, we find it very difficult to find accessible houses or apartments. We are thinking of buying a mobile home, but have many questions concerning both their accessibility and safety. Where can we secure some factual information on mobile homes for the handicapped? —E.K.

The average ready built mobile home is neither accessible nor safe for a person in a wheelchair. Some recent research has developed methods of adapting mobile homes to the needs of the handicapped. As a start you should write to the U. S. Department of Housing and Urban Development, Office of Policy Development and Research, Washington, D. C., 20410 and request the booklet "Mobile Homes: Alternative Housing for the Handicapped." This is a report on a research project conducted at Saint Andrew's College in Laurinburg.

I am a volunteer who has worked hard to raise money for a certain disability group, and I am disturbed to hear that some people with this disability are criticizing our efforts. Isn't this the height of ingratitude? As long as we raise enough money for their treatment and rehabilitation, what right do they have to be critical of the method used to raise it? —L.S.

At first glance it might seem that handicapped people have no right to complain about the ways funds are raised on their behalf. However, if handicapped people are pictured as helpless and pitiful creatures during fund raising drives, it is much more difficult for them to convince others, such as potential employers, that they can be productive individuals. This type of publicity can in fact destroy the objectives behind the fund raising efforts. Before feeling hurt and unappreciated, you would do well to

examine the complaints. As a volunteer, you are in a position to help bring about changes in the organization's fund raising policies.

Do the terms "developmentally disabled" and "severely handicapped" mean the same thing?

No, the term "developmentally disabled" means someone who has

"The Handicapped Mailbag," is a column of information and advice for the handicapped which has been appearing in newspapers across the Carolinas for some time. With this column, it becomes a recurring feature in Carolina Country. It is written by Bill Kiser of Winston-Salem, who was afflicted with cerebral palsy as an infant and is confined to a wheelchair. He was the Handicapped American of the Year in 1976.

had a handicap since before he reached age eighteen and is expected to have his impairment indefinitely. The "severely handicapped" are those of us who have a greater involvement. Certainly many but not all developmentally disabled individuals are severely handicapped. On the other hand anyone can become severely handicapped in the matter of a split second as the result of an accident.

Our son, who is in a wheelchair, graduates from high school next spring and is starting to investigate college possibilities. We are wondering if he will have to choose a school solely on its accessibility or if he can choose one according to his academic needs and interests. How can we start looking? —J.L.

Until only recently, accessibility had to be the prime factor in one's choice of a college because there were so few schools that could or would accept people in wheelchairs. Today the picture is quite different. Not only have many colleges and universities established programs for the handicapped on their own, but the 504 Amendment to the Vocational Rehabilitation Act now requires all such institutions to be accessible. Your

son should choose the school best suited to his needs and career plans. Start by writing the President's Committee on Employment of the Handicapped, Washington, D. C. 20210, for its recent publications list on the accessible institutions of higher education. Your state Vocational Rehabilitation agency can also assist you in this search.

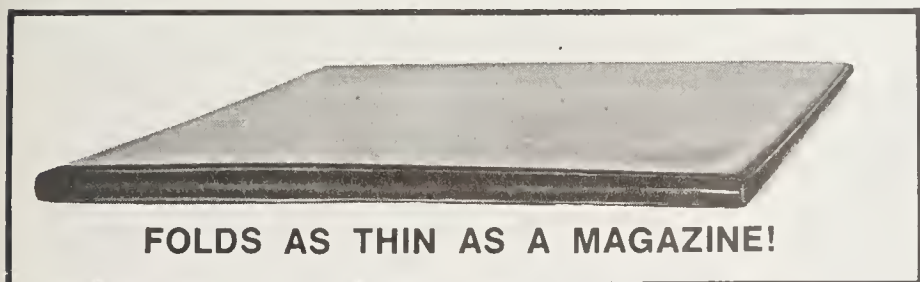
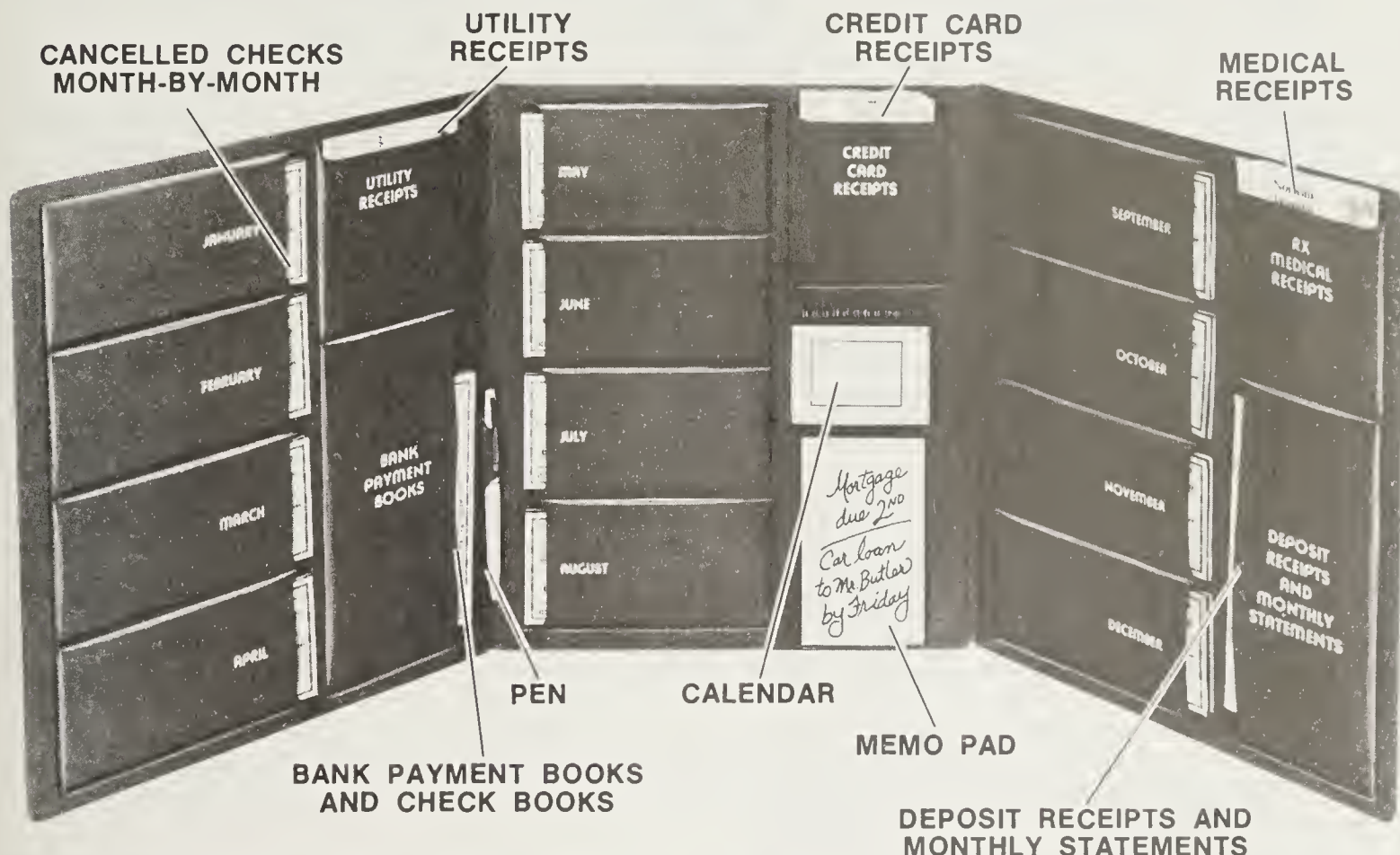
My brother became mentally ill last year and had to be hospitalized. He has progressed to the point where his doctors say that he needs to leave the hospital and find a job. Are the mentally ill entitled to vocational rehabilitation services like the physically handicapped? —L.S.

Yes, the mentally ill are entitled to the full range of vocational rehabilitation services, including vocational evaluation, vocational training, job placement and follow-up services. If your brother is in a state hospital, he probably has been

working with a Vocational Rehabilitation counselor since most of these hospitals have on-site counselors who work as members of the treatment team. If he is in a private hospital, the doctors can refer your brother to the state Vocational Rehabilitation service for aid in finding proper employment.



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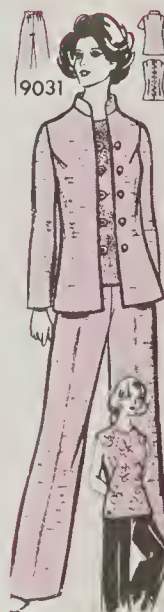
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Country Kitchen



SOUR CREAM COFFEE CAKE

For the February "kaffee klatsch" or bridge club, the Sour Cream Coffee Cake sent in by Debra Beaman can't be beat. It takes only minutes to make, and can be baked in the time it takes to finish last-minute housekeeping duties.

This coffee cake has a flavor that is sure to please everyone, and is surprisingly moist. Bake several ahead—extras can be frozen until needed.

If you would like to share a recipe with this column, send it to: COUNTRY KITCHEN, P.O. Box 27306, Raleigh, N.C. 27611. We pay \$5 for published recipes.

Country Kitchen Recipe

Submitted by Debra Beaman of Pilot Mountain, N.C.

SOUR CREAM COFFEE CAKE

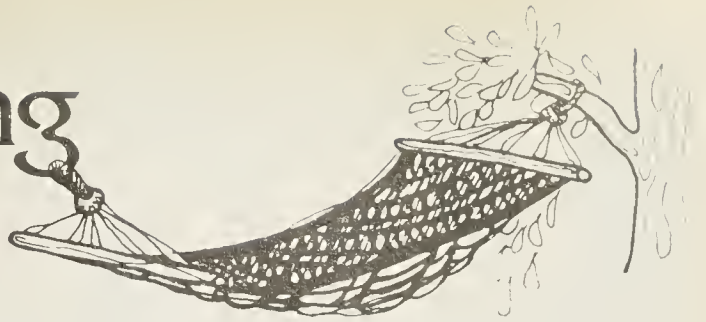
2 sticks margarine	½ t. salt
2 c. flour	1 t. cinnamon
2 eggs	½ c. white raisins
2 c. plain flour	1 c. chopped pecans
½ t. baking powder	1 c. sour cream

Cream together sugar and shortening. Add eggs one at a time, blending well after each addition. Sift dry ingredients together. Mix in nuts and raisins and coat well with flour mixture. Add dry mixture to cream mixture alternately with the sour cream. Pour into greased Bundt pan. Bake at 350 degrees for 1 hour. Take out of oven and let stand 1 hour. Turn pan to dump.

Easy Living

Kitchen And Bath:

Energy Down The Drain



Electricity, which powers many home appliances, has become expensive as an energy source. However, by closely monitoring the use of certain home appliances, a family can cut down energy waste and therefore, cost, dramatically.

Many appliances are still manufactured with wasteful, unnecessary cycles or options—if possible, just don't ever turn these on. For example, look at the drying cycle on a dishwasher: the trapped heat from washing will usually suffice to dry the dishes. So unless you're expecting guests in 20 minutes, just let the dishes sit and dry off themselves. And of course, wait until the washer is full before turning it on.

Even when your appliances are on, remember that you can get

along quite well without the hottest water. Some Americans still have a "germ phobia," a holdover from the long-ago days of inadequate public health conditions. Today, there is seldom a need to disinfect dishes, especially among members of the same family who have built up an immunity to each other's germs. Besides, it's not really the heat that kills germs, it is the combination of water and detergent.

The same is true in the laundry room—for many items of clothing, a cold-water wash is as effective as hot water. With some items you may want to add a fabric softener to compensate, but no essential cleaning or disinfectant power will be lost.

Because people have gotten into the habit of using hot water

carelessly, many homes have water heaters that are far too large; fuel is continuously wasted in warming many gallons of unnecessary water. The chart illustrated here is

**Chart for Figuring Size
Water Tank Needed
Consumption in One Hour**

Use	Amount of Water Used	Number of Times	Total
Bath	15 gallons		
Shower short	10 gallons		
Shower long	20 gallons		
Washing machine	20 gallons		
Dishwasher	15 gallons		
Hand washing of dishes	5 gallons		
Washing hands and face	2 gallons		

useful for calculating your precise hot water needs—then you can install the proper unit size when you move or have to replace your present one.

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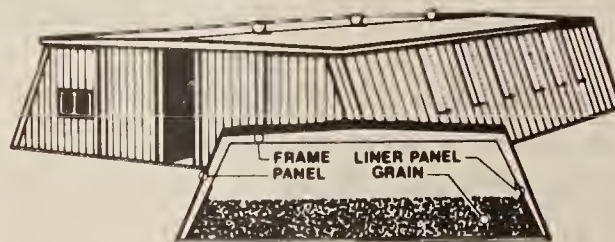
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...so come, be a part of the 1978 Rural Electric Youth Tour and see for yourself.

If you're a high school student living in one of the EMC areas listed below, you are eligible to participate in a competition that will help you to learn more about how the EMC system works while possibly earning an expense-paid week in Washington, D. C. along with hundreds of other teens across the nation!

North Carolina youths join others from across the U.S. in activities that aid them in getting to know one another and help them gain an understanding of the rural electric program — preparing them to be the co-op "movers" of tomorrow.

Places toured while in our nation's capital have, in the past, included: the Lighted Monuments, Capitol Building, Smithsonian Institution, Arlington National Cemetery, White House, FBI, Library of Congress, National Zoo and Mount Vernon. This year, the tourists will see even more!

Last year, students met and talked with President Carter and met individually with their Congressmen after a Congressional Breakfast; they boated down the Potomac and later, viewed a live performance at the National Theatre.

Your local EMC, through its youth program, makes this opportunity possible. Why not compete for a chance at this experience?

For more information, contact:

Albemarle EMC • Blue Ridge EMC • Brunswick EMC • Carteret-Craven EMC • Central EMC • Crescent EMC • Davidson EMC • Four County EMC • Haywood EMC • Jones-Onslow EMC • Lumbee River EMC • Randolph EMC • Roanoke EMC • Tideland EMC • Wake EMC



RURAL ELECTRIC YOUTH TOUR

CAREERS CAREERS CAREERS

Rural Electric Co-ops Offer Varied Opportunities



The 40-year history of America's rural electric cooperatives is more than just a story of power lines and generators. It is a story of people: consumer-members, directors and employees.

The latter group may include men and women who've settled into jobs with their hometown Electric Membership Corporation, as well as people from other parts of the country who've found a stimulating career in the rural electric program.

Young people might well take a cue from these employees as they cast about for career opportunities, for EMCs offer a wide range of work endeavors, including technical positions in such areas as engineering, construction and line work. Also of growing importance are positions in member services, home economics, conservation guidance and public and community relations. Positions also abound in the clerical, secretarial, financial and administrative areas.

As in nearly all jobs, salaries and responsibilities vary with the education and skills level attained by the employees, as well as the size of the cooperatives and the prevailing wage rates in the geographical area.

EMCs Employ 2,000 Tar Heels

In North Carolina, 28 EMCs operate with a total of about 2,000 employees. They serve memberships ranging from fewer than 1,000 to more than 35,000.

For those in many positions, opportunities are available for advancement within the cooperative, to another of the nation's 1,000 electric cooperatives, to the staff of statewide organizations or the National Rural Electric Cooperative Association (NRECA) in Washington.

Many people with or without skills or training simply choose a location and find a job there. Some of those in executive positions with cooperatives have come from state, national or government organizations. NRECA maintains a referral service that seeks to match those interested in jobs in rural electric systems with openings across the nation.

Most Jobs Require Basic Education

A good basic education is important, though, no matter what job is desired in later life. High school courses in mathematics, science, communications and business are firm foundations on which to build a career in the rural electric cooperative system.

Studies in technical institutes, community colleges, junior colleges, four-year colleges and graduate schools can be most helpful. But for many co-op workers, on-the-job training and special education programs sponsored by the statewides and the NRECA and paid for by co-op employers can cement working skills.

Employment throughout the rural electric program tends to be divided into three segments: construction, operations and administration. In smaller systems, with few employees, a staff member often has a wide range of responsibilities. In larger systems, employees will be more specialized in their work. A large department in one co-op may be a one-person operation in another.

Experience Important In Some Fields

Experience is extremely important in fields such as engineering, construction, maintenance and operations. Some co-ops send line personnel to special statewide or regional schools for as long as a year before they allow them to become apprentices.

Other jobs in the construction and maintenance fields, though, rely mostly on on-the-job training. Many workers begin clearing rights-of-way before they advance into equipment operation or line jobs. Some systems employ meter readers, generally an entry-level position, who can advance into jobs repairing, adjusting and testing the equipment, as well as into jobs stocking meters and parts or answering complaints.

Member Services Personnel Busy

Meanwhile, as the public demand grows for information about the EMC, new electrical equipment, weatherization standards and rates, personnel working in member relations or public relations will be among the busiest co-op employees. In some co-ops, all these jobs and publication of the co-op newsletter as well will be done by the same person. But in an increasing number of situations, whole departments are being formed to bring the co-op into closer ties with its membership.

Most member services and public relations personnel now being hired have four-year college degrees in business, home economics, journalism or agriculture. Salaries begin around \$7,000 and range to nearly \$30,000 for the directors of large departments.

No co-op, however, can function without competent, well-trained office personnel. Secretaries, bookkeepers, filing clerks and, in some cases, computer operators, are finding a growing demand for their services.

Substantial on-the-job training is offered for most of these positions, although some entry-level skills are required. Those considering co-op office services work should have at least a high school education, with either additional vocational training or the ability to display the skills that could be learned in a vocational class.

As modern businesses, electric cooperatives must use the best available talent, technology and information. Consequently, nearly all co-op and statewide managers being hired to fill top jobs are college graduates, perhaps with graduate degrees in engineering, public relations, management or business administration, or are people who are able to demonstrate the highest degree of skills acquired on-the-job. Experience in electric utilities, especially in rural electric cooperatives, is highly regarded.

Managers Oversee All Operations

As the top administrators of cooperatives, the managers must oversee all the operations of all departments, develop budgets, set internal policies and practices and handle complaints from members. Perhaps the most important job for the manager, though, is the responsibility for dealing directly with the board of directors which is elected by the members of the cooperative.

Recent college graduates, perhaps with some co-op experience, may be hired as assistants in positions in which they can gain the professional working knowledge that will lead to the top. Salaries can vary as much as from around \$8,000 for a new assistant to more than \$40,000 for a seasoned executive in most areas.

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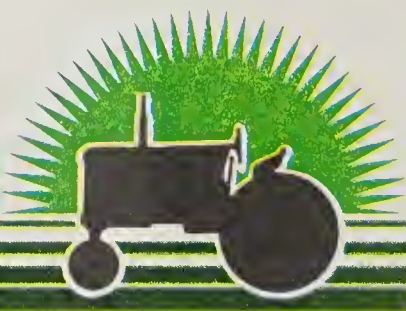
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This is the first in a series of columns on energy conservation in agriculture which are being prepared especially for Carolina Country by specialists with the North Carolina Agricultural Extension Service. Each column will focus on energy-saving techniques which can be applied in a specific segment of farm operations.

By W.C. Mills Jr.

The major expansion of North Carolina's efficient poultry industry occurred when energy was cheap and abundant. Poultrymen substituted energy-using technology for a shrinking supply of increasingly costly human labor.

ENERGY CONSERVATION IN AGRICULTURE



POULTRY PRODUCTION

Energy is still relatively cheaper than human labor, but the outlook for energy costs makes it prudent for us to take another look at how we are using this valuable resource. Some people estimate that the cost of energy from fossil fuel sources will increase fivefold between now and the end of the century. Not all of us will live to see the full increase, but we will see energy costs rise year by year.

Energy used in the production of poultry can be reduced from 20 to 50 percent on some farms, which would result in a substantial dollar savings. Brooding offers the greatest opportunity to save energy because 70 percent of all energy used in poultry is used during this period.

Here are 10 management checkpoints to consider during brooding:

1. Start with and maintain dry

litter. Keep water systems repaired.

2. Brood maximum chicks per hover. Cluster three to four brooders, encircle with one solid brooder guard, and increase chicks 15 to 20 percent.

3. Locate brooders near the center of the house.

4. Brood at lowest temperature feasible. About 86 to 88 degrees is acceptable much of the time. Lower the temperature 2 to 3 degrees every three days.

5. Check brooder thermostats for accuracy.

6. Eliminate all gas line leaks.

7. Maintain gas line pressure at a specified pressure of an 11-inch column of water.

8. Adjust pilot lights to specifications. Turn off pilot lights when brooder is not needed.

9. Keep burner orifice clean.

10. Start layer replacements in top cage where room temperature is highest.

Many broiler producers now brood in the center third of the house. Most use plastic curtains extending from the ceiling to the floor to enclose the brooding area. Insulation boards (light weight) would save much more fuel than plastic curtains. Birds are brooded in the center of the house for three weeks and then given access to the entire house.

Here are some precautions to take in partial room brooding:

1. Use a cross-section of house.

2. Carefully monitor ventilation. It is very important when crowding birds in this manner.

Fans are better than trying to ventilate naturally.

3. Place full number of feeders and waterers in brooding area. Spread them out when all the house is used.

4. Be alert to litter condition. Do not let it cake over.

Fuel savings from partial room brooding range from 30 to 45 percent and at 40 cents per gallon for propane this means \$5.50 to \$7.50 saved for each 1,000 birds.

Quite naturally, poultrymen should winterize their broiler houses by plugging air leaks with lumber or plastic and adequately insulating the roof. The Agriculture Extension Service recommends four to six inches of fiberglass, two inches of insulating board or the equivalent in the roof area.

Also, poultrymen should seriously consider putting a flat or near flat ceiling in new houses. A dollar's worth of insulation now will probably return you \$12 in the next 20 years.

Dr. W. C. Mills Jr. is poultry specialist-in-charge for the North Carolina Agricultural Extension Service.

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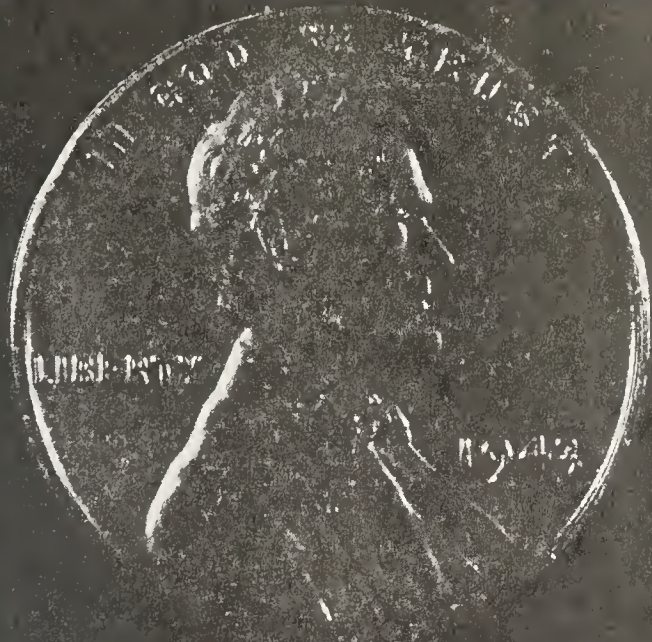
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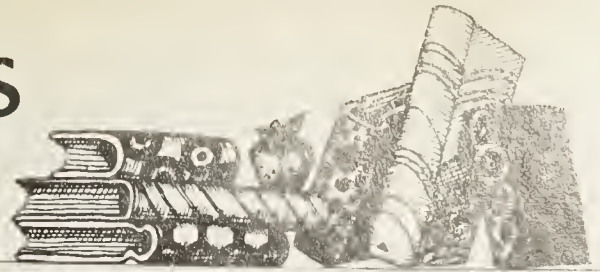
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Books



By Frank Jeter, Jr.

Joy In The Mountains by Lou and Alice Winokur. (Published by the authors. 189 pages. \$4.60)

This interesting book is subtitled "A guidebook of lively happenings in the Blue Ridge area" and it richly deserves the subtitle.

The husband and wife team, according to material accompanying the review copy, spend most of the year at Boca Raton, Florida, and only come to Watauga County in the North Carolina mountains for the summer.

During their summer stays, the Winokurs have found out a lot about things that most of us enjoy about the mountains. *Joy In The Mountains* covers everything from arts and crafts exhibits to mountain climbing and horseback riding, from cool weather hunting to warm weather hang gliding, and is a veritable encyclopedia of the auction sales that attract so many people. Blue Ridge Parkway mileposts are listed, along with times and locations of crafts sales and many other events—more than we can cover in this space.

Joy In The Mountains has a beautiful color cover by Hugh Morton, and is an excellent guidebook for people looking forward to a holiday in the mountains.

I'm told copies are on sale at book sellers in the mountains, but if you want to be sure of getting a copy, send \$3.95, plus 65 cents for postage, to Lou Winokur, *Joy In The Mountains*, Post Office Box 2532, Boca Raton, Florida 33432. It's a bargain at this price.

Artisans/Appalachia/USA by David Gaynes. (Appalachian Consortium, Boone. 50 "special sections." \$4.95)

When I first began to peruse this collection of artistry I asked myself "How do you review a book that is not a book?" Now I have the answer: "With a high degree of enthusiasm."

This portfolio looks like a book at first, until you open the heavy wrapper of tan paper within itself.

It contains photos of such objects d'art as elegant wood carvings, original pottery, woven goods, needlepoint, a good many individually crafted dulcimers, banjos, appliqued quilts of intricate pattern, sculpture done in metals, hand-made dolls, stone statuary, marquetry done in 19 different woods, and—to add a final word—other handicrafts and artistic items.

David Gaynes has shown himself to be a master at selecting his subjects, photographing the art objects and the people who created them, and finally at writing a few paragraphs on each "folder"—printed on paper in a lighter tan than the cover—to tell how the project came into being and the philosophy of the artist.

This is not a book, but it's going to occupy a proud place in the Jeter library.

Frank Jeter, Jr. of Raleigh is public information officer of the USDA-Soil Conservation Service for North Carolina.

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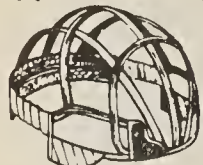
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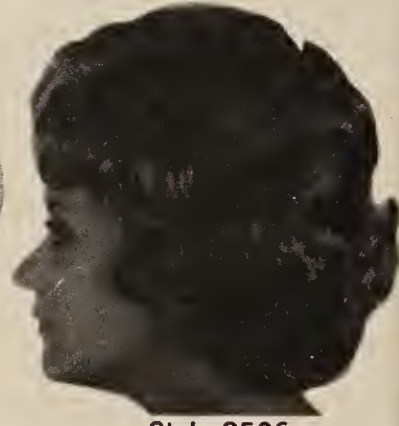
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Poet's Corner

"I have been writing poetry for around two or three years now," says Rhonda Ann Helms. A 17-year-old poet who has had several of her poems published by her Lincolnton school's literary magazine, Helms adds, "I love the meaning of poetry. It tells about the writer's dreams and feelings. We sometimes have trouble telling how we feel...with poetry, we can let ourselves go." See the imagery of this piece in your mind's eye:

A Cold Mountain's Night

Mountains are climbing
Up to the sky
Clear water is laughing
As it runs by.

The fog is settling
On the rocks so low
The wind softly whispers
Of things we don't know.

Daylight is turning
Slowly to night
The firelight is flaming
To a warm, glowing height.

God is awake
While everyone sleeps
To bless the high country
And the valleys so deep.

A cold night in the mountains
With icy blue winds
The man and the mountains
Are brothers again.

—Rhonda Ann
Helms

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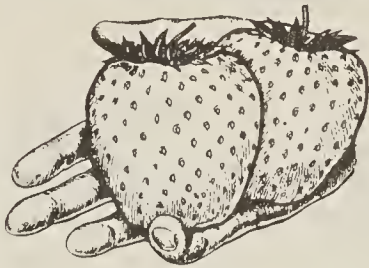
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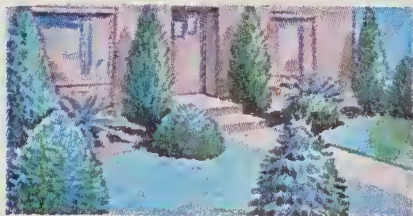
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